

# Jason Au-Yeung

Expected Graduation:

2027

DataSci; IEEM; BDT

Email : wcauyeungaa@connect.ust.hk

Portfolio : [Jason-AY-Portfolio.com](http://Jason-AY-Portfolio.com)

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**5-month Co-op Intern at HAEKO**, worked on AI-driven and data-driven solutions for operations optimization and digital transformation.

**Champion of AWS AI Hackathon Hong Kong 2025** – developed the HAEKO Bay Management System for intelligent bay scheduling.

Focused on applying analytics, optimization, and AI to solve real-world operational problems.

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## Education

### Hong Kong University of Science and Technology (HKUST)

BEng in Industrial Engineering and Engineering Management | 2023 - Present  
Minor in Big Data Technology

- **Final Year Project:** Efficient Data-Driven Methods for Inventory Control.
- JIT Strategies, Monte Carlo Simulation, AutoML and Multi-Agent Systems for Inventory Optimization.
- Courses: Queueing Models (M/M/K), Stochastic Modeling, Data-Driven Optimization, System Simulation.

### HKU SPACE Community College

Higher Diploma in Data Science | 2021 - 2023

- **Project 1:** Study of Christmas Effects on Livestock / Poultry Prices.
- **Project 2:** Built a YouTube database system using SQLite.
- Courses: Machine Learning, Data Mining, Big Data Analytics, InfoSec.
- Awards: **Academic Excellence Award** and **Principal's Honor List**.
- Leadership: **Class Representative** in Data Science

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## Experience

### Speedy Group Corporation Limited

Part-time IT Support | Jul 2021 - Present

- Supported schools and startups with IT and digital operations, covering account and MDM management, servers, websites, STEM tools, IoT devices.
- Proficient in digital media production including photo and video editing.

### Hong Kong Aircraft Engineering Company Limited (HAEKO)

Technology Innovation | Transformation & Technology Department

HKUST Co-op Intern | Sep 2025 - Jan 2026

- Partnered with engineers and management to prototype digital transformation projects under HAEKO's innovation roadmap.
- **Planned and organized** the company's **first Techathon**, building a framework for future internal-to-external innovation programs.
- Advanced innovation through **Technology Adoption, Lean Management, and Stakeholder Engagement**.
- Master of Ceremony(MC) at HAEKO Lean Day 2025, engaging executives in the Annual Kaizen and Lean Excellence showcase.

## Hong Kong University of Science and Technology (HKUST) ITSO Student Internship Program 2025-26 | Feb 2026 - Jun 2026

- IT support in Computer Barns, WIFI, Printers and Duo 2FA assistance.
- IT asset lifecycle management and inventory control for computing equipment and peripherals.

## Awards & Leadership

- **Grand Prize – AWS AI Hackathon Hong Kong 2025**  
130+ shortlisted teams; Project built with HAEKO Team within 14 days.
- **MC – HAEKO Lean Day 2025**  
HAEKO's significant annual program for continuous improvement.
- **Lead Organizer – HAEKO Techathon 2026**  
Involved & Designed HAEKO's first internal to external innovation competition.
- **Lead Organizer – Class Representative in DS 2023**  
The liaison between 80+ students and instructors to improve courses experience.

## Skills

### Technical Skills

- Programming & Data: Python, R, Octave, SQLite
- Generative AI & AI Agent Tools: **AWS Q Developer, Krio**, OpenAI Codex
- Productive Tools: MS Office, Canva, Adobe Creative.

### Soft Skills and Languages

- Soft Skills: Critical Thinking, Decision Making, Teamwork, Negotiation Skill
- Languages: English, Cantonese, Mandarin

## Certifications

- Certificate of Outstanding Achievement and Innovation – HAEKO, 2025
- SEN, Disability & Equality in Higher Education (Module 1-3) – HKUST, 2025

## Hackathons

### Grand Prize Winner — AWS AI Hackathon Hong Kong 2025

**HAEKO Bay Management System** | Sep 2025 (14-day built)

#### Lead Developer & Demo Video Presenter

- Developed an AI-based aircraft bay scheduling optimization platform with real-time visualization and interactive dashboards.
- **Collaborated with HAEKO engineers** to design, build, and refine a functional prototype within 14 days, leveraging Amazon Q Developer and Kiro as development support tools.
- **Led the demo presentation and video production**, delivering system walkthrough, UI design, and visual storytelling.
- Awarded the Grand Prize among 130+ shortlisted teams at **Hong Kong's first and largest AWS AI Hackathon**.

Devpost: [devpost.com/software/aircraft-bay-management](https://devpost.com/software/aircraft-bay-management)

Source: [SCMP](#), [unwire.hk](#)

Interviewed at re:Invent: [unwire.hk \(08:59 HAEKO: Bay Management System\)](#)

Tech Stack: HTML, CSS, JavaScript, AWS Q Developer, Kiro AI, AI Integration